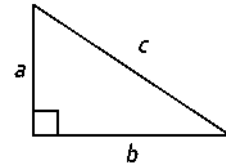


The Pythagorean Theorem Practice

Use the triangle at the right. Find the length of the missing side. If necessary, round to the nearest tenth.



1. $a = 9$, $b = 12$
2. $a = 20$, $b = 21$
3. $b = 12$, $c = 13$
4. $b = 20$, $c = 25$
5. $b = 2$, $c = 2.5$
6. $a = 12$, $c = 37$
7. A landscaper attaches a guy wire 10 ft up the trunk of a newly planted sapling. He stakes the wire 25 feet from the tree. What could be the length of the guy wire if it forms a right triangle with the tree?
8. The area of a square is 625 cm^2 . What is the measure of the diagonal to the nearest tenth?